

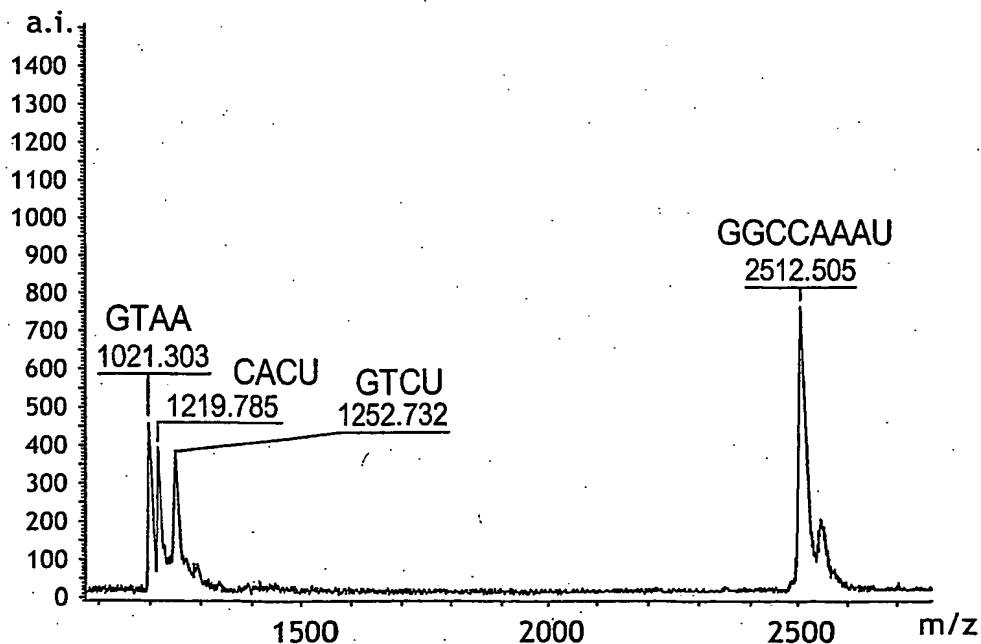
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FIG.1

5' -GTCU|CTU|CACU|U|GGCCAAAU|GTAA

Fragment	Expected Mass	Found Mass
GTCUCTUCACUUGGCCAAAU GTAA	7312,9	
CTU	918,6	
GTAA	1197,9	1201,3
CACU	1216,8	1219,8
GTCU	1247,8	1252,7
GGCCAAAU	2501,7	2512,5

Clivage par NH<sub>4</sub>OH de GTCUCTUCACUUGGCCAAAU|GTAA  
Matrice HPA mode positif sur anchortaget400

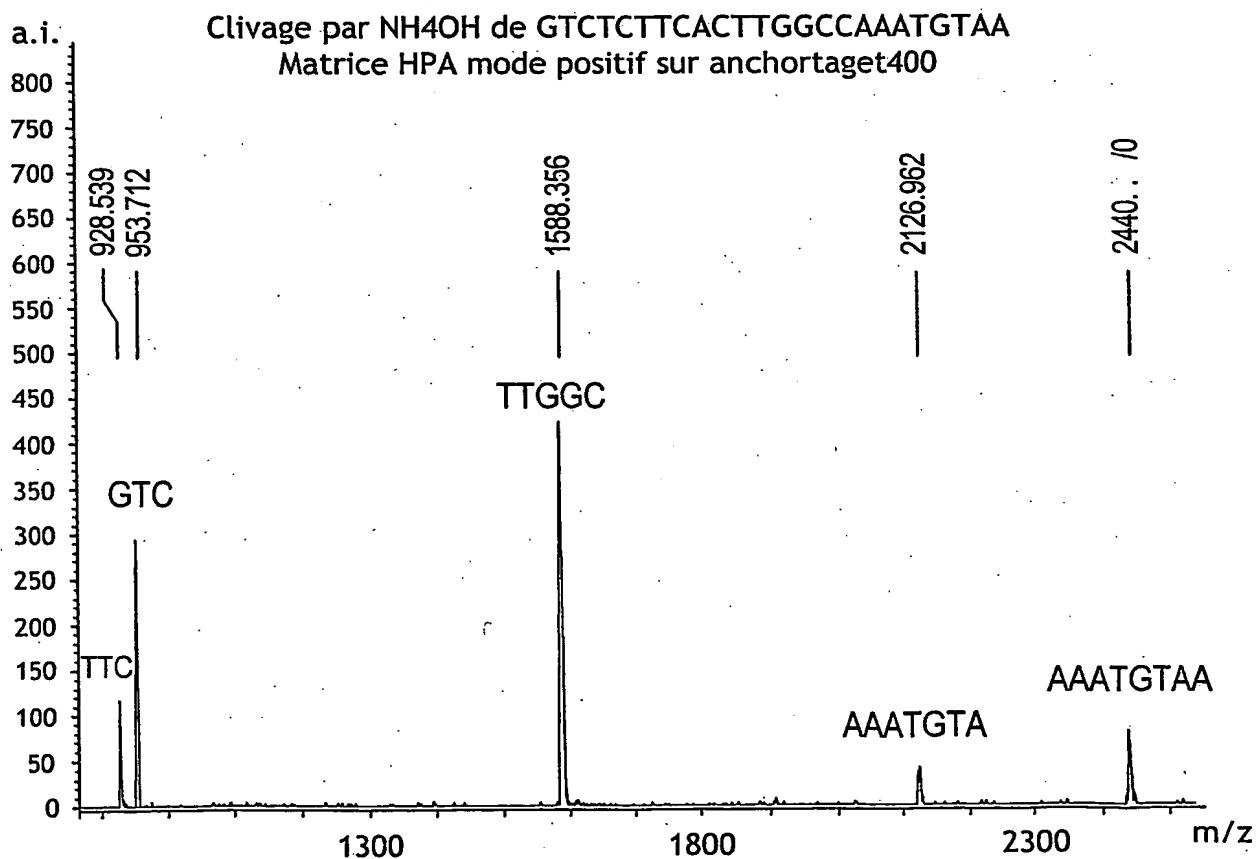


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FIG.2

5' -GTC|TC|TTCAC|TTGGC|C|AAATGTAA

Fragment	Expected Mass	Found Mass
GTCTCTTCACTTGGCCAAATGTAA	7398,9	
AC	637,4	
TTC	932,6	928,5
GTC	957,6	953,6
TTGGC	1591,0	1588,2
AAATGTA	2128,5	2127
AAATGTAA	2441,8	2440,5



**Figure 3**

Fragments at 100% Exchange dNTP for NTP

5'-GTCTCTTCACTTGGCCAAATGTAA  
 5'-GTCCTTTCAC TTGGCCAAATGTAA  
 5'-GTCTCTTCACTTGGCCAAATGTAA  
 5'-GTCTCTTTCAC TTGGCCAAATGTAA

Additional Fragments at 70% Exchange dNTP for NTP

5'-GTCTCTTCACTTGGCCAAATGTAA (25%)  
 5'-GTCCTTTCAC TTGGCCAAATGTAA (25%)

5'-GTCCTCTTCAC TTGGCCAAATGTAA (25%)  
 5'-GTCTCTTTCAC TTGGCCAAATGTAA (25%)

5'-GTCTCTTCACTTGGCCAAATGTAA (25%)  
 5'-GTCTCTTTCAC TTGGCCAAATGTAA (25%)

5'-GTCTCTTTCAC TTGGCCAAATGTAA (25%)  
 5'-GTCCTCTTCAC TTGGCCAAATGTAA (25%)

**Figure 4**

basic sequence:

5'-TTCACCTGGCCAAATGT<sup>RNA</sup>AAGNGAAGAACAGAGTC-3'

complementary template sequences:

3'-AAGTGAACCGGTTTACATTCCCTTCTTGTCTCAG-5' G template

3'-AAGTGAACCGGTTTACATTGCTTCTTGTCTCAG-5' C template

3'-AAGTGAACCGGTTTACATTCTCTTCTTGTCTCAG-5' A template

primer sequence:

5'-TTCACCTGGCCAAATGT<sup>RNA</sup>AAG-3'

sequences after extension and before cleavage:

5'-TTCACCTGGCCAAATGT<sup>RNA</sup>AAGG<sup>RNA</sup>G<sup>RNA</sup>AAG<sup>RNA</sup>AACAG<sup>RNA</sup>AG<sup>RNA</sup>TC-3' N = G

5'-TTCACCTGGCCAAATGT<sup>RNA</sup>AAGCG<sup>RNA</sup>AAG<sup>RNA</sup>AACAG<sup>RNA</sup>AG<sup>RNA</sup>TC-3' N = C

5'-TTCACCTGGCCAAATGT<sup>RNA</sup>AAGAG<sup>RNA</sup>AAG<sup>RNA</sup>AACAG<sup>RNA</sup>AG<sup>RNA</sup>TC-3' N = A

Fragments after cleavage:

AAGG<sup>RNA</sup> G<sup>RNA</sup> AAG<sup>RNA</sup> AACAG<sup>RNA</sup> AG<sup>RNA</sup> TC Fragments for N = G

AAGCG<sup>RNA</sup> AAG<sup>RNA</sup> AACAG<sup>RNA</sup> AG<sup>RNA</sup> TC Fragments for N = C

AAGAG<sup>RNA</sup> AAG<sup>RNA</sup> AACAG<sup>RNA</sup> AG<sup>RNA</sup> TC Fragments for N = A

Signals that differ:

AAGG<sup>RNA</sup> for N = G = 1319 Da

AAGCG<sup>RNA</sup> for N = C = 1633 Da

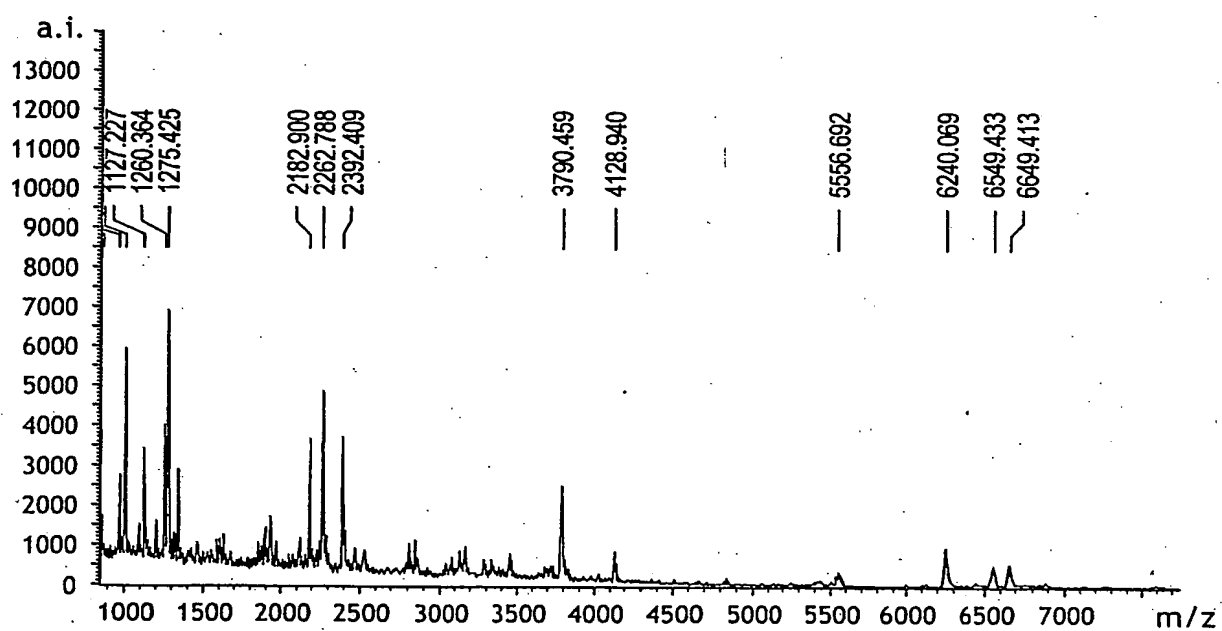
AAGAG<sup>RNA</sup> for N = A = 1609 Da

Signals that are the same:

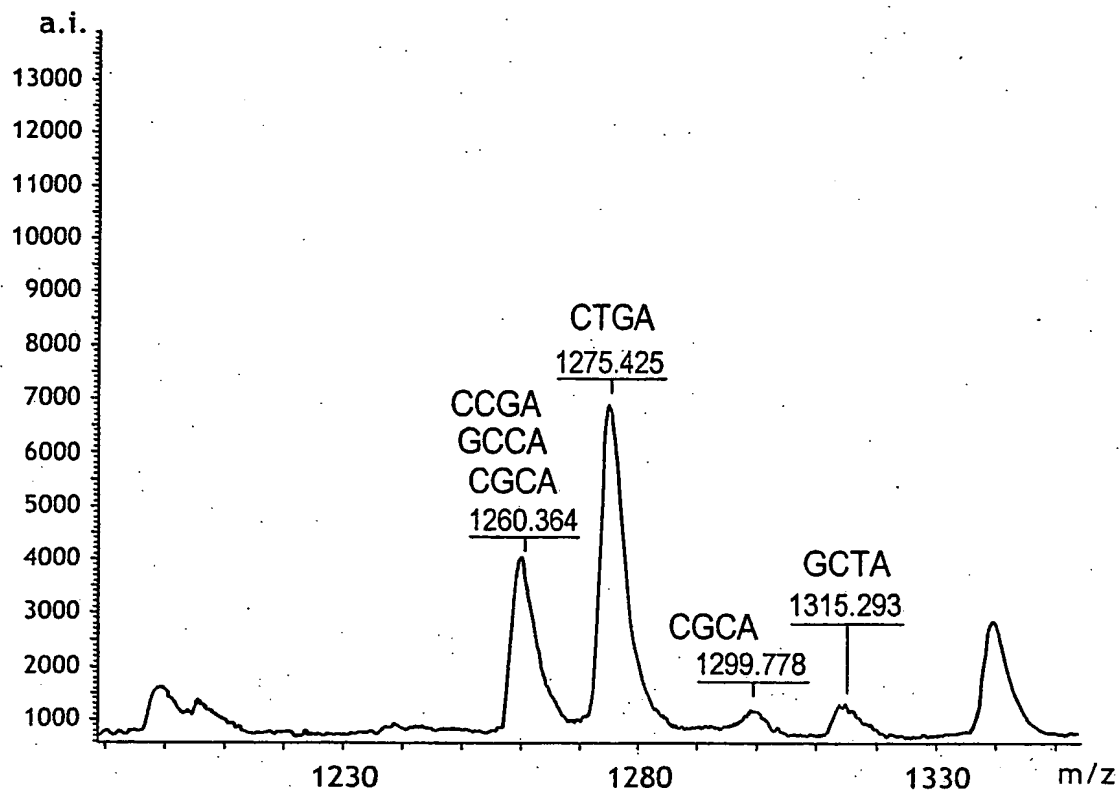
AACAG<sup>RNA</sup> = 1593 Da

AAG<sup>RNA</sup> = 990 Da

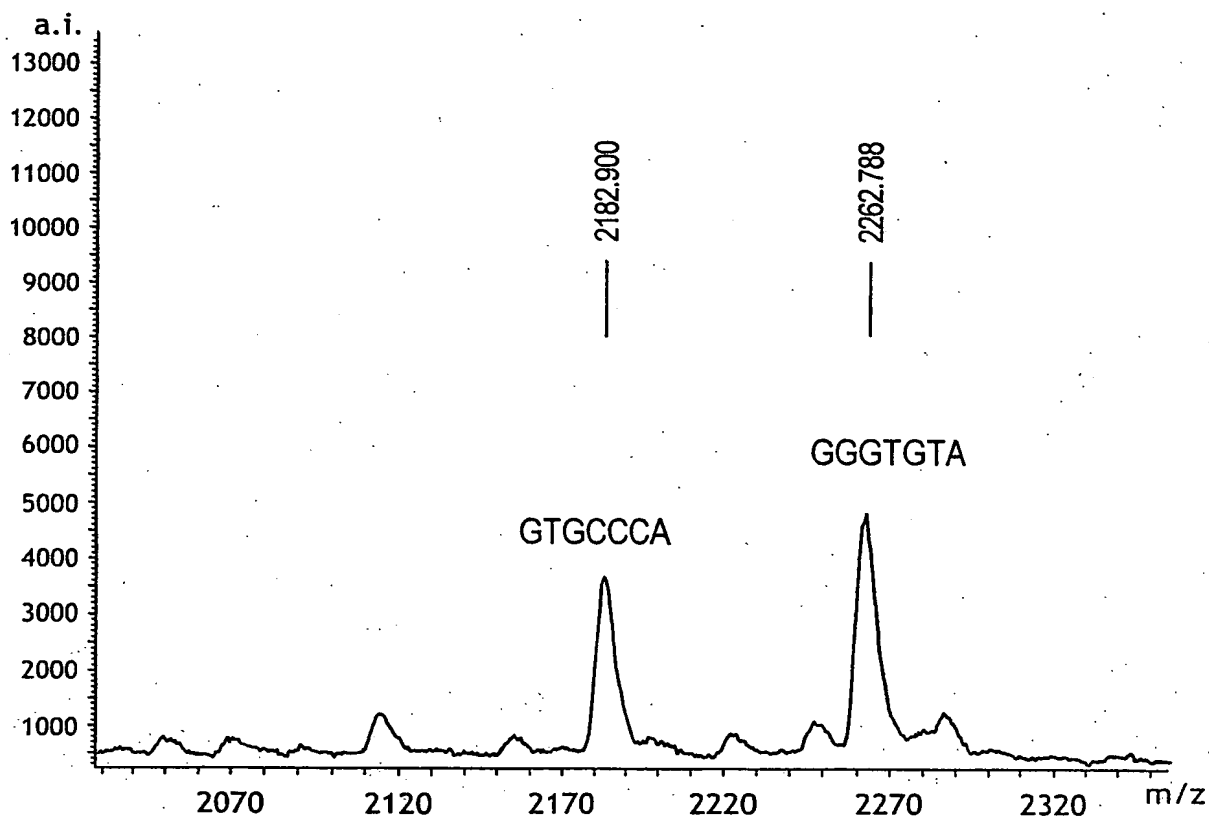
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FIG.5

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FIG.6

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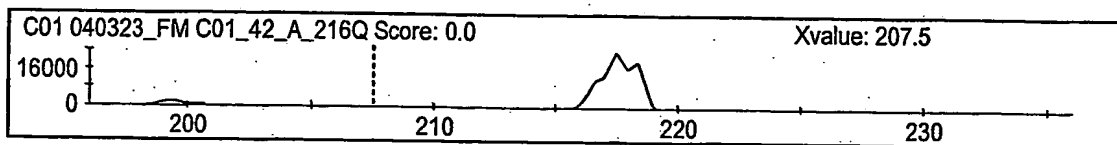
FIG.7

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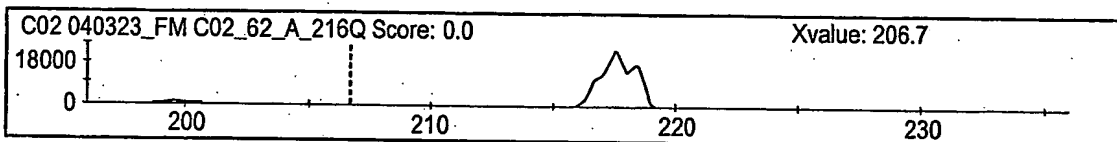
FIG.8

## PCR 216 bp Fragment Forward Atp/dAtp

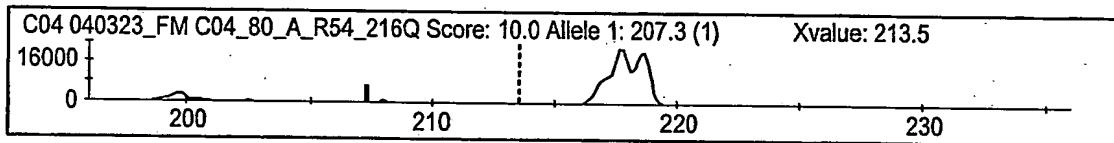
## 67% Atp/dAtp



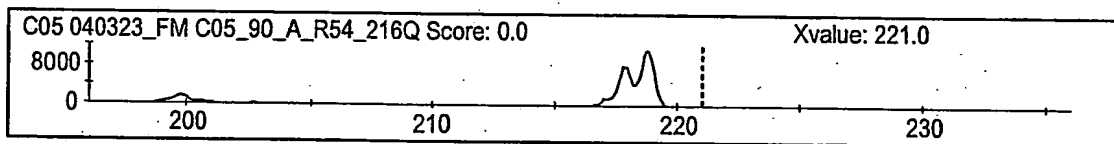
## 75% Atp/dAtp



## 80% Atp/dAtp



## 90% Atp/dAtp



## 100% Atp

